

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/620,491
Source: 1FW/b
Date Processed by STIC: 6/13/06

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IFW16

RAW SEQUENCE LISTING

DATE: 06/13/2006

PATENT APPLICATION: US/10/620,491

TIME: 09:55:59

Input Set : A:\214381.APP

Output Set: N:\CRF4\06132006\J620491.raw

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3 <110> APPLICANT: MYNARCIK, DENNIS C.
5 <120> TITLE OF INVENTION: PROTEIN BINDING DETERMINATION AND MANIPULATION
7 <130> FILE REFERENCE: 21438/1
9 <140> CURRENT APPLICATION NUMBER: 10/620,491
10 <141> CURRENT FILING DATE: 2003-07-16
12 <150> PRIOR APPLICATION NUMBER: 60/396,428
13 <151> PRIOR FILING DATE: 2002-07-17
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn Ver. 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 15
21 <212> TYPE: PRT
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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28 <400> SEQUENCE: 1
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34 <211> LENGTH: 508
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 2
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42 Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
43           20           25           30
45 Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
46           35           40           45
48 Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
49           50           55           60
51 Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
52   65           70           75           80
54 Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
55           85           90           95
57 Pro Thr Ala Arg Gly Ala Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
58           100          105          110
60 Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
61           115          120          125
63 Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
64           130          135          140
66 Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly

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67 145          150          155          160
69 His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
70          165          170          175
72 His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser
73          180          185          190
75 Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser
76          195          200          205
78 Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met
79          210          215          220
81 Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val
82 225          230          235          240
84 Ser Leu Leu Thr Pro Ser Asp Leu Asp Pro Leu Ile Leu Thr Leu Ser
85          245          250          255
87 Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu
88          260          265          270
90 Ser His Arg Arg Ala Leu Lys Gln Lys Ile Trp Pro Gly Ile Pro Ser
91          275          280          285
93 Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe
94          290          295          300
96 Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys
97 305          310          315          320
99 Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu
100          325          330          335
102 Arg Cys Trp Gly Thr Met Gln Ala Val Glu Pro Gly Thr Asp Asp Glu
103          340          345          350
105 Gly Pro Leu Leu Glu Pro Val Gly Ser Glu His Ala Gln Asp Thr Tyr
106          355          360          365
108 Leu Val Leu Asp Lys Trp Leu Leu Pro Arg Asn Pro Pro Ser Glu Asp
109          370          375          380
111 Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly
112 385          390          395          400
114 Ser Glu Ala Ser Ser Cys Ser Ser Ala Leu Ala Ser Lys Pro Ser Pro
115          405          410          415
117 Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
118          420          425          430
120 Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr
121          435          440          445
123 Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
124          450          455          460
126 Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu
127 465          470          475          480
129 Ser Asp Gly Pro Tyr Ser Asn Pro Tyr Glu Asn Ser Leu Ile Pro Ala
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132 Ala Glu Pro Leu Pro Pro Ser Tyr Val Ala Cys Ser
133          500          505
136 <210> SEQ ID NO: 3
137 <211> LENGTH: 226
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence

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141 <220> FEATURE:

142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

143 construct

145 <400> SEQUENCE: 3

146 Ala Pro Pro Pro Asn Leu Pro Asp Pro Lys Phe Glu Ser Lys Ala Ala

147 1 5 10 15

149 Leu Leu Ala Ala Arg Gly Pro Glu Glu Leu Leu Cys Phe Thr Glu Arg

150 20 25 30

152 Leu Glu Asp Leu Val Cys Phe Trp Glu Glu Ala Ala Ser Ala Gly Val

153 35 40 45

155 Gly Pro Gly Gln Tyr Ser Phe Ser Tyr Gln Leu Glu Asp Glu Pro Trp

156 50 55 60

158 Lys Leu Cys Arg Leu His Gln Ala Pro Thr Ala Arg Gly Ala Val Arg

159 65 70 75 80

161 Phe Trp Cys Ser Leu Pro Thr Ala Asp Thr Ser Ser Phe Val Pro Leu

162 85 90 95

164 Glu Leu Arg Val Thr Ala Ala Ser Gly Ala Pro Arg Tyr His Arg Val

165 100 105 110

167 Ile His Ile Asn Glu Val Val Leu Leu Asp Ala Pro Val Gly Leu Val

168 115 120 125

170 Ala Arg Leu Ala Asp Glu Ser Gly His Val Val Leu Arg Trp Leu Pro

171 130 135 140

173 Pro Pro Glu Thr Pro Met Thr Ser His Ile Arg Tyr Glu Val Asp Val

174 145 150 155 160

176 Ser Ala Gly Gln Gly Ala Gly Ser Val Gln Arg Val Glu Ile Leu Glu

177 165 170 175

179 Gly Arg Thr Glu Cys Val Leu Ser Asn Leu Arg Gly Arg Thr Arg Tyr

180 180 185 190

182 Thr Phe Ala Val Arg Ala Arg Met Ala Glu Pro Ser Phe Gly Gly Phe

183 195 200 205

185 Trp Ser Glu Trp Ser Glu Pro Val Ser Leu Leu Thr Pro Ser Asp Leu

186 210 215 220

188 Asp Pro

189 225

192 <210> SEQ ID NO: 4

193 <211> LENGTH: 226

194 <212> TYPE: PRT

195 <213> ORGANISM: Artificial Sequence

197 <220> FEATURE:

198 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

199 construct

201 <400> SEQUENCE: 4

202 Ala Pro Pro Pro Asn Leu Pro Asp Pro Lys Phe Glu Ser Lys Ala Ala

203 1 5 10 15

205 Leu Leu Ala Ala Arg Gly Pro Glu Glu Leu Leu Cys Phe Thr Glu Arg

206 20 25 30

208 Leu Glu Asp Leu Val Cys Phe Trp Glu Glu Ala Ala Ser Ala Gly Val

209 35 40 45

211 Gly Pro Gly Gln Tyr Ser Phe Ser Tyr Gln Leu Glu Asp Glu Pro Trp

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212      50      55      60
214 Lys Leu Cys Arg Leu His Gln Ala Pro Thr Ala Arg Gly Ala Val Arg
215 65      70      75      80
217 Phe Trp Cys Ser Leu Pro Thr Ala Asp Thr Ser Ser Phe Val Pro Leu
218      85      90      95
220 Glu Leu Arg Val Thr Ala Ala Ser Gly Ala Pro Arg Tyr His Arg Val
221      100      105      110
223 Ile His Ile Asn Glu Val Val Leu Leu Asp Ala Pro Val Gly Leu Val
224      115      120      125
226 Ala Arg Leu Ala Asp Glu Ser Gly His Val Val Leu Arg Trp Leu Pro
227      130      135      140
229 Pro Pro Glu Thr Pro Met Thr Ser His Ile Arg Tyr Glu Val Asp Val
230 145      150      155      160
232 Ser Ala Gly Gln Gly Ala Gly Ser Val Gln Arg Val Glu Ile Leu Glu
233      165      170      175
235 Gly Arg Thr Glu Cys Val Leu Ser Asn Leu Arg Gly Arg Thr Arg Tyr
236      180      185      190
238 Thr Phe Ala Val Arg Ala Arg Met Ala Glu Pro Ser Phe Gly Gly Phe
239      195      200      205
241 Trp Ser Glu Trp Ser Glu Pro Val Ser Leu Leu Thr Pro Ser Asp Leu
242      210      215      220
244 Asp Pro
245 225

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/620,491

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